

ABSTRACT

The present invention is a method and apparatus for applying a focused, directed audio beam at a fetus to stimulate the fetus in utero. An ultrasound signal is amplitude modulated with an audio range signal, and directed to an ultrasound transducer positioned on the abdomen of a pregnant woman. A focused beam from the ultrasound transducer is directed at the head of a fetus, wherein the resultant audio signal stimulates the middle ear, causing the fetus to move. Motion of the fetus can be tracked to test hearing in individual ears or to test the general health of the fetus. Furthermore, the focused beam can be successively directed at the fetus to cause the fetus to move to a selected location in the womb for clinical testing or delivery.

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